



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	31.50	39.80	49.90						
15.0	29.50	37.60	47.30	58.70					
20.0	27.50	35.30	44.60	55.60	68.50				
25.0	25.40	32.90	41.80	52.30	64.70	79.00			
30.0	23.30	30.40	39.00	49.00	60.80	74.50	80.60	90.40	99.20
35.0	21.10	28.00	36.10	45.60	56.90	70.00	75.80	85.20	93.60
40.0	19.05	25.60	33.20	42.20	52.90	65.30	70.90	79.80	87.90
45.0	17.05	23.20	30.40	38.90	48.90	60.70	65.90	74.40	82.10
50.0	15.15	20.80	27.60	35.50	44.90	56.00	61.00	69.00	76.30
55.0		18.60	24.80	32.20	41.00	51.40	56.00	63.60	70.50
60.0		16.55	22.20	29.00	37.10	46.80	51.10	58.20	64.70
62.0			21.20	27.70	35.60	44.90	49.20	56.10	62.40

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	7.66	8.26	8.68						
15.0	8.23	9.01	9.64	10.10					
20.0	8.73	9.68	10.50	11.20	11.65				
25.0	9.18	10.30	11.30	12.20	12.90	13.40			
30.0	9.56	10.80	12.00	13.15	14.10	14.85	15.10	15.35	15.50
35.0	9.90	11.30	12.65	13.95	15.15	16.20	16.55	17.00	17.30
40.0	10.20	11.70	13.25	14.75	16.15	17.45	17.90	18.55	19.00
45.0	10.45	12.10	13.75	15.45	17.10	18.60	19.15	19.95	20.60
50.0	10.70	12.40	14.25	16.10	17.90	19.70	20.30	21.30	22.10
55.0		12.70	14.65	16.65	18.70	20.70	21.40	22.60	23.50
60.0		13.00	15.05	17.20	19.40	21.60	22.50	23.70	24.80
62.0			15.20	17.40	19.65	21.90	22.90	24.20	25.30

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	19.36	19.92	20.33						
15.0	19.84	20.62	21.29	21.77					
20.0	20.31	21.30	22.23	23.01	23.57				
25.0	20.76	21.96	23.13	24.21	25.11	25.77			
30.0	21.19	22.59	24.00	25.36	26.60	27.63	27.97	28.39	28.64
35.0	21.59	23.17	24.82	26.46	28.02	29.42	29.92	30.59	31.06
40.0	21.94	23.71	25.59	27.50	29.37	31.13	31.78	32.70	33.39
45.0	22.25	24.19	26.29	28.46	30.64	32.75	33.56	34.72	35.63
50.0	22.49	24.61	26.92	29.35	31.83	34.29	35.25	36.65	37.77
55.0		24.95	27.46	30.14	32.92	35.72	36.82	38.46	39.78
60.0		25.20	27.92	30.84	33.91	37.03	38.29	40.15	41.68
62.0			28.07	31.10	34.27	37.53	38.84	40.79	42.41

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	174.00	216.00	266.00						
15.0	169.50	212.00	262.00	320.00					
20.0	165.00	208.00	257.00	315.00	381.00				
25.0	159.00	202.00	252.00	309.00	375.00	450.00			
30.0	153.00	196.00	245.00	302.00	368.00	443.00	475.00	527.00	573.00
35.0	146.00	189.00	238.00	295.00	360.00	434.00	467.00	519.00	565.00
40.0	139.00	181.50	231.00	287.00	352.00	425.00	458.00	509.00	555.00
45.0	131.50	174.00	223.00	278.00	342.00	416.00	448.00	499.00	545.00
50.0	124.00	166.50	214.00	269.00	332.00	405.00	437.00	488.00	534.00
55.0		158.50	206.00	260.00	322.00	394.00	426.00	476.00	522.00
60.0		151.00	197.00	250.00	311.00	382.00	414.00	464.00	509.00
62.0			194.00	246.00	307.00	378.00	409.00	459.00	504.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, m³/h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	216
Gross Weight, kg	232
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

**COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

Maximum Operating Current, A	56.5
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Check Valve	For unloaded start operation
Capacity Control	Capacity Steps 66/33%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Oil Control System	ALCO Trax-Oil OM3

**MOTOR OPTIONS**

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00